



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/805,156
Filing Date	03/19/2004
First Named Inventor	JOEL B. SHUFELDT
Art Unit	3745
Examiner Name	NGUYEN, N.
Attorney Docket Number	4570.91

Sheet 1 of 7

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
NHN		US- 353,994	12-07-1886	WALKER ET AL.	
		US- 1,502,903	07-29-1924	CAMPBELL	
		US- 1,868,008	07-19-1932	GARDNER	
		US- 1,893,184	01-03-1933	SMELLIE	
		US- 1,983,606	12-11-1934	GEISE	
		US- 2,097,205	10-26-1937	CARY ET AL.	
		US- 2,098,640	11-09-1937	CARY	
		US- 2,171,341	08-29-1939	MCMAHAN	
		US- 2,225,398	12-17-1940	HAMBLIN	
		US- 2,951,632	09-06-1960	HANSON	
		US- 3,006,603	10-31-1961	CARUSO ET AL.	
		US- 3,058,528	10-16-1962	HIERSCH	
		US- 3,398,866	08-27-1968	FLAME ET AL.	
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		US- 3,849,024	11-19-1974	MASAI ET AL.	
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		US- 3,951,567	04-20-1976	ROHS	
		US- 3,973,865	08-10-1976	MUGELE	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ² Number ³ Kind Code ⁴ (if known)				

Examiner
Signature

NHN H. Nguyen

Date

Considered

07/22/05

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Jha		US- 3,982,848	09-28-1976	SCHONWALD ET AL.	
		US- 4,006,998	02-08-1977	SCHONWALD	
		US- 4,141,674	02-27-1979	SCHONWALD	
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		US- 4,749,338	06-07-1988	GALTZ	
		US- 4,932,833	06-12-1990	WIEJA ET AL.	

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Examiner Signature	<i>Minh H. Nguyen</i>	Date Considered	07/22/05
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JLM		US- 4,932,834	06-12-1990	GALTZ ET AL.	
		US- 4,944,310	07-31-1990	SULLIVAN	
		US- 4,992,021	02-12-1991	LANGEN ET AL.	
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		US- 5,527,150	06-18-1996	WINDHOFER	
		US- 5,536,139	07-16-1996	YAMAZAKI ET AL.	

FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>Mark H. Mawson</i>	Date Considered	07/22/05
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Signature [Signature]

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Alm		US- 5,569,023	10-29-1996	ISHIDA ET AL.	
		US- 5,658,126	08-19-1997	WERNER ET AL.	
		US- 5,697,152	12-16-1997	YAMAZAKI ET AL.	
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		US- 3,819,007	06-25-1974	WIRT ET AL.	
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		US- 4,001,473	01-04-1977	COOK	
		US- 4,100,993	07-18-1978	FEDER	
	Alm		US- 4,135,603	01-23-1979	DEAN, III ET AL.
		US- 4,150,732	04-24-1979	HOCH ET AL.	

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**Examiner
Signature**

Alvin H. Hansen

Date Considered

07/22/05

Signature Minato T. S. Sison 01/27/2018

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[Signature]		US- 4,189,027	02-19-1980	DEAN, III ET AL.	/
		US- 4,944,362	07-31-1990	MOTSINGER ET AL.	
		US- 4,319,661	03-16-1982	PROUDFOOT	
		US- 4,562,900	01-07-1986	ANDERSON ET AL.	
		US- 5,700,983	12-23-1997	VONDROSS	
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NON PATENT LITERATURE DOCUMENTS			
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alm	A	LORI A. BRADY, "Application of the Herschel-Quincke Tube Concept to Higher-Order Acoustic Modes in Two-Dimensional Ducts", March 1, 2002.	
	B	G.M. DIEHL, "Think Quiet", Compressed Air, 1971, pp. 1-34	
	C	JOHAN LILJENCRANTS, "Working of Acoustic Resonators", Mechanical Music Digest, June 23, 2001, pp.1-2	
	D	LARRY HANSON, "Hybrid Circuit Technology", November, 1984, Lake Publishing Corp.	
	E	AHMET SELAMET, "New Tool Helps Automakers Silence Irritating Noise", http://researchnews.osu.edu/archive/whistle.htm , April 1, 2002	
	F	"Effectiveness of Adjacent Reactive Absorbers", March 27, 2000; http://www.deicon.com/technote/adjacent_resonators_deicon.pdf	
	G	Y.P. SOH, E.W.T. YAP and B.H.L. GAN, "Industrial Resonator Muffler Design", 2001; http://www.mecheng.adelaide.edu.au/courses/undergrad/projects/level4papers2001/soh_yap_gan.pdf	
	H	J.W. MOONEY, "Helmholtz Resonator Sound Absorbers", April 2000; http://www.jwmooney.com/wcpub/page45.html	
	I	"Helmholtz Resonance" 2000, Modified on 6/19/03 by Joe Wolfe BSc Qld, BA UNSW, PhD ANU. University of New South Wales Sydney, Australia, http://www.phys.unsw.edu.au/jw/Helmholtz.html	
alm	J	Fuji Ring Compressors" Published in 1996 in the Fuji Blowers product catalog by Fuji Electric Company. Web page address for updated catalog: http://www.airpowerproducts.com/fuji/index.shtml#operation	

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Amos H. Benson

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